



Guidelines for Dual Fuel & Alternative Fuel Conversions for Licensed London Taxis and Private Hire Vehicles (PHV's)

- From 1st January 2012 a 15 year rolling age limit for taxis was introduced
- From 1 January 2012 a 10 year rolling age limit was introduced for private hire vehicles
- Other than pre-existing licensed vehicles (licensed before 1st January 2012) any application for exemption from 1st January 2012 must take place within the respective age limits (i.e. if the vehicle is older than the age limit it will not be possible to convert the vehicle and then make an application for exemption from the age limit requirement).

Before commencing any gas fuel conversions it is essential that written approval is sought from the London Taxi and Private Hire (TPH) Vehicle Policy Manager.

The guidelines set out below give indication of our current requirements.

For PHV's and taxis only conversions from diesel powered to alternative fuel powered will be considered for approval.

All Licensed London Taxis and PHV's which are powered by Liquid Petroleum Gas (LPG), Compressed Natural Gas (CNG) (or Biomethane), solely or in a dual fuel capacity, must comply with all the relevant legislation set out in the Road Vehicles Construction and Use Regulations 1986, Motor Vehicle Construction and Use Regulations 1986 (as amended), and any other relevant requirements.

All approved vehicle LPG conversions must meet the requirements of: -

- The current and relevant EC Directive for exhaust emissions standards (currently Euro 6 for gasoline) as a minimum. Documentary evidence of compliance with the relevant standards (i.e. meeting the limits for all the air pollutant emissions in the standard) will be required from a VCA approved emissions laboratory.
- The Worldwide Harmonized Light Vehicles Test Cycle (WLTC) is the test cycle used to determine the Euro 6 D gasoline emissions standard. For taxis the class of cycle is the class 3b test. The class of test cycle utilised for PHVs will be determined by vehicle model and type proposed.
- Real world driving emissions (RDE) are not measured as LPG technology is an aftermarket conversion and RDE tests would significantly increase costs for the suppliers.

- All LPG systems must be installed by a UKLPG Approved Autogas Installer. Any vehicle presented for taxi or PHV licensing in London with an installed LPG fuel system must be registered on the UKLPG Register.
- All LPG installers must comply with the UKLPG Autogas Installations Code of Practice 11, as amended and any later version available.
- Any previously licensed taxi with an existing TPH approved LPG system and/or certificate of installation, must authenticate the certificate with the UKLPG trade association and record the vehicle on the UKLPG register before the point of licensing.
- LPG fuel systems must meet the requirements of ECE 67.01 and/or the requirements of ECE 115, and provide:
 - An installation certificate from an appropriate approved Installation Engineer providing documentary evidence demonstrating that the LPG fuel system and installation meet the relevant ECE standards.
- CNG fuel systems must meet the requirements of ECE 110 and/or the requirements of ECE 115, and provide:
 - An installation certificate from an appropriate approved Installation Engineer providing documentary evidence demonstrating that the CNG fuel system and installation meet the relevant ECE standards.
 - An appropriate certificate of installation must be produced with the taxi at the time of licensing inspection.
 - An appropriate certificate of LPG/CNG Fuel Tank Integrity will be required, as may any other additional periodic inspection certification, as required by the Vehicle Policy Manager.
- LPG/CNG systems are required to have an annual service and safety check to ensure the safety and integrity of all components, fuel lines and storage tank.

For details regarding the TPH approval process for alternative fuel systems please contact the TPH Vehicle Policy Team: TPHVehiclePolicy@tfl.gov.uk

Link to the UKLPG Vehicle Register: <http://www.drivelpg.co.uk/>